

IN THE ABSTRACT:

Please substitute the following abstract for the abstract submitted with the Preliminary Amendment filed June 4, 2009.

An image processing apparatus ~~for compositing an image of a virtual object and an image of a physical space to generate a mixed reality image and causing an HMD to display the mixed reality image, includes~~ has an operation panel, ~~positioned in a physical space, to display an operation panel image used for editing the virtual object, and capable of receiving a user instruction of editing the virtual object, and an operation panel image generation unit to generate the operation panel image by using the data held in the database. In addition, a~~ A rendering unit updates data held in the database according to the user instruction ~~received via the operation panel~~ and the measurement result of the second measurement unit, and renders, by using the updated data, the image of the virtual object according to the measurement results of the first and second measurement units. A composition unit composites the rendered image of the virtual object and the captured image of the physical space to generate the mixed reality image, and an HMD displays the generated mixed reality image.